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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/664,432	09/19/2003	Charles E. Hart	00-12D1	5728
10117 ZYMOGEN ET	7590 05/06/200 ICS, INC.	EXAMINER		
INTELLECTU	AL PROPERTY DEPA	JIANG, DONG		
SEATTLE, WA	KE AVENUE EAST A 98102-3702	ART UNIT	PAPER NUMBER	
			1646	
		MAIL DATE	DELIVERY MODE	
			05/06/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Advisory Action Before the Filing of an Appeal Brief

Application No.	Applicant(s)		
10/664,432	HART ET AL.		
Examiner	Art Unit		
DONG JIANG	1646		

	DONG JIANG	1646	
The MAILING DATE of this communication appe	ars on the cover sheet with the	correspondence add	ess
THE REPLY FILED <u>25 March 2008</u> FAILS TO PLACE THIS AP	PLICATION IN CONDITION FOR	ALLOWANCE.	
1. The reply was filed after a final rejection, but prior to or on application, applicant must timely file one of the following application in condition for allowance; (2) a Notice of Appetor Continued Examination (RCE) in compliance with 37 C periods:	replies: (1) an amendment, affidavi al (with appeal fee) in compliance	t, or other evidence, w with 37 CFR 41.31; or	hich places the (3) a Request
a) The period for reply expires <u>3</u> months from the mailing date	of the final rejection.		
b) The period for reply expires on: (1) the mailing date of this An no event, however, will the statutory period for reply expire to Examiner Note: If box 1 is checked, check either box (a) or (IMONTHS OF THE FINAL REJECTION. See MPEP 706.07(f	iter than SIX MONTHS from the mailin b). ONLY CHECK BOX (b) WHEN THE).	g date of the final rejectio E FIRST REPLY WAS FIL	n. .ED WITHIN TWO
Extensions of time may be obtained under 37 CFR 1.136(a). The date of have been filed is the date for purposes of determining the period of extunder 37 CFR 1.17(a) is calculated from: (1) the expiration date of the s set forth in (b) above, if checked. Any reply received by the Office later may reduce any earned patent term adjustment. See 37 CFR 1.704(b). NOTICE OF APPEAL	ension and the corresponding amount hortened statutory period for reply original.	of the fee. The appropria nally set in the final Office	te extension fee e action; or (2) as
 The Notice of Appeal was filed on A brief in complifiling the Notice of Appeal (37 CFR 41.37(a)), or any exter Notice of Appeal has been filed, any reply must be filed with AMENIAN. 	sion thereof (37 CFR 41.37(e)), to	avoid dismissal of the	
AMENDMENTS	t mujan ta tha data of filing a bujaf	عط لمصموم مطاعم النب	
3. The proposed amendment(s) filed after a final rejection, be (a) They raise new issues that would require further cor (b) They raise the issue of new matter (see NOTE below	isideration and/or search (see NO ⁻ v);	ΓE below);	
(c) ☐ They are not deemed to place the application in bett appeal; and/or	er form for appear by materially re-	auding of simplifying tr	ie issues ioi
(d) ☐ They present additional claims without canceling a converse NOTE: (See 37 CFR 1.116 and 41.33(a)).	orresponding number of finally reje	ected claims.	
4. The amendments are not in compliance with 37 CFR 1.12	1. See attached Notice of Non-Co	mpliant Amendment (F	PTOL-324).
Applicant's reply has overcome the following rejection(s):			
6. Newly proposed or amended claim(s) would be all non-allowable claim(s).		•	-
7. For purposes of appeal, the proposed amendment(s): a) [how the new or amended claims would be rejected is prov The status of the claim(s) is (or will be) as follows: Claim(s) allowed:		l be entered and an ex	planation of
Claim(s) allowed Claim(s) objected to:			
Claim(s) rejected: <u>2-9,11 and 22-25</u> . Claim(s) withdrawn from consideration:			
<u>AFFIDAVIT OR OTHER EVIDENCE</u> 8.	hoforo or on the date of filing a Ne	ation of Annual will not	ha antarad
because applicant failed to provide a showing of good and was not earlier presented. See 37 CFR 1.116(e).			
9. The affidavit or other evidence filed after the date of filing a entered because the affidavit or other evidence failed to or showing a good and sufficient reasons why it is necessary	vercome <u>all</u> rejections under appea and was not earlier presented. So	al and/or appellant fails ee 37 CFR 41.33(d)(1)	s to provide a
10. ☐ The affidavit or other evidence is entered. An explanation REQUEST FOR RECONSIDERATION/OTHER		•	
 The request for reconsideration has been considered but <u>See Continuation Sheet.</u> 		n condition for allowand	ce because:
 12. ☐ Note the attached Information <i>Disclosure Statement</i>(s). (13. ☒ Other: No amendment of claims accompanied the response 			
	/Dong Jiang/ Primary Examiner, Art U	Init 1646	

Continuation of 11. does NOT place the application in condition for allowance because:

Claims 2-5, 7-9, 11, 22, 23 and 25 remain rejected under 35 U.S.C. 103(a) as being unpatentable over Ferrara et al., US6,455,283 B1, for the reasons of record set forth in the previous Office Actions mailed on 8/22/07 and 1/25/08.

Applicants argument filed on 25 March 2008 has been fully considered, but is not persuasive for the following reasons. Applicants main argument is that the Examiner attempts to establish certain facts - namely, the allegation that defining the structural-functional relationship of a newly discovered protein was "routine in the art at the time the present invention was filed" - without supporting documentary evidence; that Examiner's reasons essentially rely on an "obvious to try" rationale, which, under KSR International Co. v. Teleflex Inc. and the PTO's own Guidelines for Determining Obviousness under KSR, is improper absent a proper finding that there are "a finite number of identified, predictable potential solutions" to the problem at hand; that Applicants have presented objective evidence (namely, Li et al. and Fredriksson et aL, as cited in the Jaspers Declaration) establishing that a fragment of PDGF-C as claimed is unexpectedly superior in bioactivity to other fragments having partial N-terminal deletions; and that Applicants request that the Examiner provide documentary evidence of the assertion that "determining the structural-functional relationship of a newly discovered protein was routine." This argument is not persuasive, and the examiner provides the following documentary evidence at applicants request, which provides not only "obvious to try", but also motivation to make the truncated form of the molecule as claimed, and expectation of success. For instance, Uutela et al. (US7,105,481) discloses a new member of the PDGF/VEGF family of growth factors, PDGF-D, which is closely related to the PDGF-C in the instant application, and stimulates connective tissue growth or wound healing (abstract). Additionally, Uutela teaches that an additional member of the PDGF/VEGF family, PDGF-C, has a two-domain structure, a N-terminal CUB domain, and a C-terminal PDGF/VEGF homology domain (column 6, lines 30-38), and PDGF-C requires proteolytic removal of the N-terminal CUB domain for receptor binding and activation of the receptor (column 6, lines 53-55). Further, Uutela teaches that PDGF-D also comprises a N-terminal CUB domain, and a C-terminal PDGF/VEGF homology domain, and teaches a truncated form of PDGF-D with N-terminal truncation, and comprising residues 254-370 of SEQ ID NO:8 (a portion of the PDGF/VEGF homology domain of PDGF-D), which extends toward the N-terminus up to residue 234 of SEQ ID NO:8 (column 8, lines 24-36), and that the truncated homodimer PDGF-DD retains the functional activity, exhibiting marked angiogenic activity in vivo (column 33, lines 46-47). Clearly, PDGF-D is closely related to PDGF-C. This example clearly demonstrates that determining the structural-functional relationship of a polypeptide, and making functional fragments thereof are both desirable and routine in the art.

Note, the newly cited reference is at applicants request, and it is merely used to rebut applicants arguments, and it is not for sustaining any new ground of rejection.

Claims 6 and 24 remain rejected under 35 U.S.C. 103(a) as being unpatentable over Ferrara et al., US6,455,283 B1, as applied to claims 2-5, 7-9, 11, 22, 23 and 25 above, and further in view of Bentz et al., EP 0 512 844 A1, for the reasons of record set forth in the previous Office Actions mailed on 8/22/07 and 1/25/08, and for the reasons above.